

NSLS Facility Risk Assessment Priority List

Area or Facility	Description	Priority	Reason
Facility-Wide Assessments			
Slip/Trip hazards	All locations throughout the NSLS complex	High	Slip and fall accidents have occurred. Maintenance activity awareness has increased. Good compliance with OSHA regulations. Hallways and stairwells are well maintained.
General Electrical Issues	Standard electrical installations and activities throughout the facility	Medium	Large number of Electrical installations throughout the NSLS. Experimental electrical equipment presents oversight challenges. New AHJ training program being implemented to address this.
General Fire Issues	General fire protection throughout the facility	Medium	Facility completely sprinklered. Fires could present significant programmatic problems. PFN (pulse firing network) system controls have been upgraded significantly following previous fire. Reasonable number of large, high power systems in operation.
General Chemical Exposure Issues	Wet chemistry, solvent work, and use of compressed gases	Medium	Most wet chemistry work occurs within labs. Rules for entry and work within labs well posted. Experimental Review process keeps good control of materials brought to BNL. Lab steward involvement variable. Solvent use is common, normally in small quantities. Compressed gases are used throughout the facility. Toxic gases are used in small quantities and are well controlled.

General Material Handling Issues	Material handling throughout the facility; includes PE riggers and incidental rigging and transportation by staff	Medium	There has been an increasing number of material handling and transportation mishaps over the last few years site-wide. No significant injuries. All cranes are locked out with access by authorized trained individuals only.
General Housekeeping Issues	General housekeeping issues throughout the facility	Low	General Facility storage issues increase housekeeping problems. Short time frame of many experiments creates orderly work concerns.
General Noise Issues	General noise issues in and around mechanical equipment rooms and compressors	Low	Noise areas are posted, and PPE availability is good.
General Radiation Issues	General radiation protection issues throughout the facility	Low	In general, radiation is not a significant health risk. Changes to TLD requirements have reduced compliance problems. Access controls and interlock systems provide protection against high hazard radiation exposures.
General ODH (Oxygen Deficiency Hazard) Issues	General oxygen deficiency issues throughout the facility	Low	ODH system controls exist in areas of highest concern. Systems alarm in Control Room to reduce Emergency Services notification and response time.